

(12)

(21) 2 356 875

(22) 03.01.2000

(51) Int. Cl. 7: **B27L 1/02**

(85) 27.06.2001

(86) PCT/FI00/00001

(87) WO00/40383

(30) 990014 FI 07.01.1999

(71)

METSO WOODHANDLING OY,
P.O. Box 210
Fin-28101, PORI, XX (FI).

(72)

JONKKA, ARVO (FI).

(74)

MCFADDEN, FINCHAM

(54) PROCEDE ET APPAREIL POUR LE TRANSPORT DE MATERIAU SOLIDE

(54) METHOD AND APPARATUS FOR CONVEYING A SOLID MATERIAL

(57)

A method and conveyor for conveying a solid material by means of parallel, oblong transfer elements (31, 32) that move back and forth in the direction of transfer. Most of the surface of the transfer elements moves in the direction of transfer at the same time and at least part of the surface thereof is inclined towards the centre of the conveyor. The pieces (9) lying on the inclined outermost transfer elements (32) are carried by means of the lower longitudinal edge of these transfer elements, the angle of inclination of said edge about the longitudinal axis being smaller than the angle of inclination of the upper edge thereof. Thus, the support force exerted by the transfer elements on the pieces or parts lying thereon, and the friction force between them and the pieces or parts lying thereon, increase. At the same time, the support force that second, with respect to the outermost transfer elements lower transfer elements (1, 20, 31) exert on the pieces or parts lying thereon, and the friction between them and the pieces or parts lying thereon, decrease.

